

Patent Application
NC 84,352

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Amendments of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A product that is essentially devoid of a sintering aid and its components, said product comprising spinel that has porosity of less than 0.2 %, said spinel is transparent to light having wavelengths in the range of 0.3-5.5 microns and said spinel having transparency in excess of 50 % for a thickness of 1 mm, its spinel grains are within about 300% of the size of an average grain and is devoid of grains larger than about 1 mm.

Claim 2 (canceled)

Claim 3 (canceled)

Claim 2 (canceled)

Claim 4 (previously amended) The product of claim 1 devoid of grains of exaggerated size having transparency of at least 60 % for a 1 mm thickness at a wavelength of 4 microns and said product is a hard crystalline solid selected from the group consisting of oxides of magnesium and aluminum.

/ Claim 5 (previously amended) The product of claim ~~2~~ 1 having transparency of at least 60 % for a 1 mm thickness at a wavelength